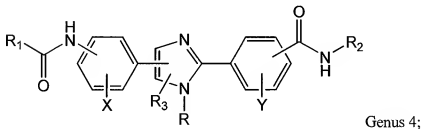
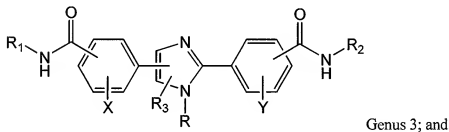
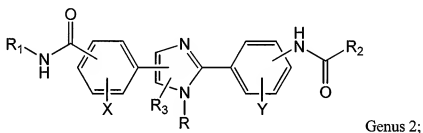
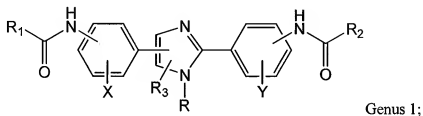


AMENDMENTS TO THE CLAIMS

1. (Currently amended) A pharmaceutical composition for treating an allergic reaction ~~asthma~~ associated with increased IgE levels in a mammal, comprising a compound or salt thereof selected from any of the following formulas:



wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl, and dialkylaminoalkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₃, X, and Y are independently selected from the group consisting of H, halogen, alkoxy, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, OH, OCH₃, COOH, CN, CF₃, OCF₃, NO₂, COOR', CHO, and COR'';

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, and substituted heterocyclic, wherein said heterocyclic and said substituted heterocyclic contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur, and wherein R₁ and R₂ are not both methyl or phenyl;

wherein substituents of the substituted alkyl, the substituted C₃-C₉ cycloalkyl, the substituted phenyl, the substituted naphthyl and the substituted heterocyclic are selected from the group consisting of H, halogen, alkoxy, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, OH, OCH₃, COOH, COOR', COR', CN, CF₃, OCF₃, NO₂, NR'R' and CONR'R';

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein R'' is selected from the group consisting of C₁-C₉ alkyl, wherein said C₁-C₉ alkyl is selected from the group consisting of straight chain alkyl, branched alkyl, and cyclic alkyl; and

at least a pharmaceutically acceptable diluent.

2. (Previously presented) The pharmaceutical composition of Claim 1, wherein said polycyclic aliphatic group is selected from the group consisting of adamantyl, bicycloheptyl, camphoryl, bicyclo[2,2,2]octanyl, and norbornyl.

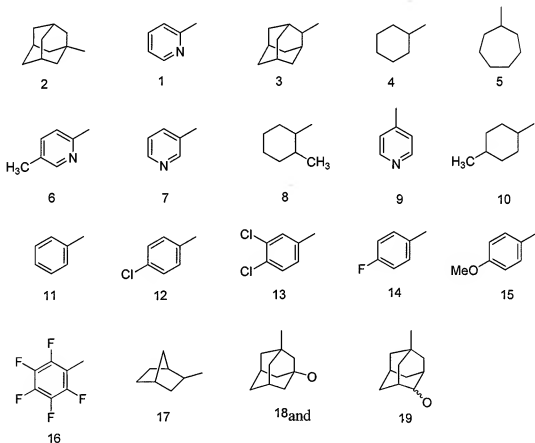
3. (Previously presented) The pharmaceutical composition of Claim 1, wherein said heterocyclic and said substituted heterocyclic is selected from the group consisting of pyridines, thiazoles, isothiazoles, oxazoles, pyrimidines, pyrazines, furans, thiophenes, isoxazoles, pyrroles,

pyridazines, 1,2,3-triazines, 1,2,4-triazines, 1,3,5-triazines, pyrazoles, imidazoles, indoles, quinolines, iso-quinolines, benzothiophenes, benzofurans, parathiazines, pyrans, chromenes, pyrrolidines, pyrazolidines, imidazolidines, morpholines, thiomorpholines, and the corresponding saturated heterocyclics.

4. (Previously presented) The pharmaceutical composition of Claim 1, further comprising at least one additional ingredient which is active in reducing at least one symptom associated with said allergic reaction.

Claims 5-25. (Cancelled)

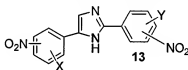
26. (Previously presented) The pharmaceutical composition of Claim 1, wherein R_1 and R_2 are independently selected from the following:



27. (Withdrawn-currently amended) A method of preparing the pharmaceutical compositions of Claim 1, wherein the compound or salt thereof is in Genus 1 as defined in Claim 1, comprising:

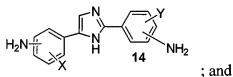
converting a Y-substituted-nitro-benzonitrile to a Y-substituted nitro-benzamidine;

reacting the Y-substituted nitro-benzamidine with X-substituted nitro-phenacyl



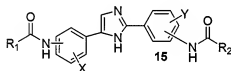
halide to form a species of the formula 13 ;

reducing the species of the formula 13 to form a species of the formula 14



; and

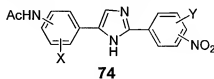
acylating the species of the formula 14 to form a species of the formula 15



28. (Withdrawn-currently amended) A method of preparing the pharmaceutical compositions of Claim 1, wherein the compound or salt thereof is in Genus 1 as defined in Claim 1, comprising:

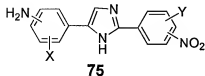
converting a Y-substituted nitro-benzonitrile to a Y-substituted nitro-benzamidine;

reacting the Y-substituted nitro-benzamidine with X-substituted acetamido-

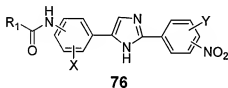


phenacyl halide to form species of the formula 74 ;

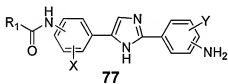
hydrolyzing the species of the formula 74 to form a species of the formula 75



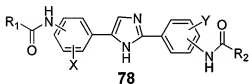
acylating the species of the formula 75 to form a species of the formula 76



reducing the species of the formula 76 to form a species of the formula 77



acylating the species of the formula 77 to form a species of the formula 78

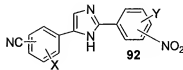


29. (Withdrawn-currently amended) A method of preparing the pharmaceutical compositions of Claim 1, wherein the compound or salt thereof is in Genus 2 as defined in Claim 1, comprising:

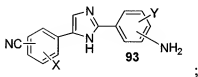
converting a Y-substituted-nitro-benzonitrile to a Y-substituted nitro-benzamidine;

reacting the Y-substituted nitro-benzamidine with X-substituted cyano-phenacyl

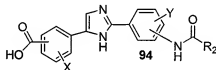
halide to form a species of the formula 92



reducing the species of the formula 92 to form a species of the formula 93

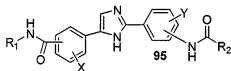


acylating the species of the formula 93 and subsequently performing a hydrolysis



to form a species of the formula 94 ; and

aminating the species of the formula 94 to form a species of the formula 95

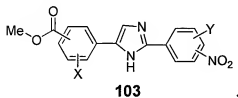


30. (Withdrawn-currently amended) A method of preparing the pharmaceutical compositions of Claim 1, wherein the compound or salt thereof ~~of is in~~ Genus 2 as defined in Claim 1, comprising:

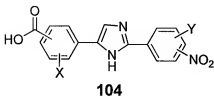
converting a Y-substituted nitro-benzonitrile to a Y-substituted nitro-benzamidine;

converting methyl X-substituted 4-acetyl benzoate to a methyl X-substituted 4-(alpha-bromoacetyl) benzoate;

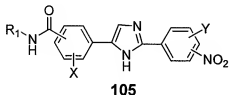
reacting the Y-substituted nitro-benzamidine with methyl X-substituted 4-(alpha-bromoacetyl) benzoate to form species of the formula 103



hydrolyzing the species of the formula **103** to form a species of the formula **104**

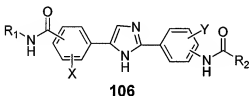


aminating the species of the following formula **104** to form a species of the



formula **105** ; and

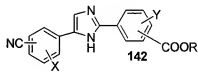
reducing and amidating the formula **105** to form a species of the formula **106**



31. (Withdrawn-currently amended) A method of preparing the pharmaceutical compositions of Claim 1, wherein the compound or salt thereof is in Genus 3 as defined in Claim 1, comprising:

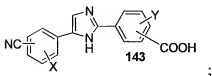
converting a Y-substituted-alkoxycarbonyl-benzonitrile to a Y-substituted alkoxycarbonyl-benzamidine;

reacting the Y-substituted alkoxycarbonyl-benzamidine with X-substituted cyano-

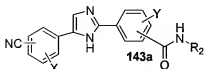


phenacyl halide to form a species of the formula **142** ;

hydrolyzing the species of the formula **142** to form a species of the formula **143**

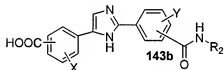


amidating the species of the formula **143** to form a species of the formula **143a**



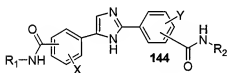
;

hydrolyzing the species of the formula **143a** to form a species of the formula **143b**



; and

amidating the species of the formula **143b** to form a species of the formula **144**

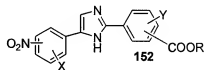


32. (Withdrawn-currently amended) A method of preparing the pharmaceutical compositions of Claim 1, wherein the compound or salt thereof of is in Genus 4 as defined in Claim 1, comprising:

converting a Y-substituted-alkoxycarbonyl-benzonitrile to a Y-substituted alkoxycarbonyl-benzamidine;

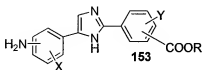
reacting the Y-substituted alkoxycarbonyl-benzamidine with X-substituted nitro-

phenacyl halide to form a species of the formula **152**



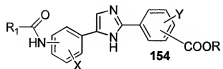
;

reducing the species of the formula **152** to form a species of the formula **153**



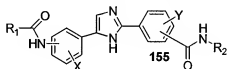
;

acylating the species of the formula **153** to form a species of the formula **154**



; and

amidating the species of the formula **154** to form a species of the formula **155**



33. (Currently amended) A compound selected from the group consisting of:
- N-{4-[5-(4-cycloheptylamino)cycloheptylamido-phenyl]-1H-imidazol-2-yl]-phenyl}-cycloheptylamide,
 - N-{4-[2-(4-(4-fluorobenzoylamino)fluorobenzoylamido)-phenyl]-3H-imidazol-4-yl]-phenyl}-4-fluoro-benzamide,
 - N-{4-[5-(4-cyclohexylaminocyclohexylamido-phenyl)-1H-imidazol-2-yl]-phenyl}-cyclohexylamide,
 - N-{4-[2-(4-(2,4-dichlorobenzoylamino)dichlorobenzylamido)-phenyl]-3H-imidazol-4-yl]-phenyl}-2,4-dichloro-benzamide,
 - N-{4-[5-(4-(2-methylcyclohexyl)aminoamido-phenyl)-1H-imidazol-2-yl]-phenyl}-(2-methylcyclohexyl)-amide,
 - N-(3-(5-(3-(1-Adamantanamido)phenyl)-1H-imidazol-2-yl)phenyl)-1-adamantanecarboxamide,
 - N-(4-(5-(3-(1-Adamantanamido)phenyl)-1H-imidazol-2-yl)phenyl)-1-adamantanecarboxamide,
 - N-{4-[5-(4-(2-methylcyclohexyl)aminoamido-phenyl)-1H-imidazol-2-yl]-phenyl}-(4-methylcyclohexyl)-amide,
 - N-(4-(5-(4-adamantylamidophenyl)-1H-imidazol-2-yl)phenyl)picolinamide,
 - N-(4-(5-(4-adamantylamidophenyl)-1H-imidazol-2-yl)phenyl)-4-methylcyclohexanecarboxamide,
 - N-(4-(5-(4-adamantylamidophenyl)-1H-imidazol-2-yl)phenyl)-2-methylcyclohexanecarboxamide,

N-(4-(5-(4-adamantylamidophenyl)-1H-imidazol-2-yl)phenyl)cycloheptanecarboxamide,
N-(4-(2-(4-adamantylamidophenyl)-1H-imidazol-5-yl)phenyl)cyclohexanecarboxamide,
N-(4-(5-(4-(cyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)picolinamide,
N-(4-(5-(4-(cyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)-2-methylcyclohexylamide,
N-(4-(5-(4-(cyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)cycloheptylamide,
4-chloro-N-(4-(5-(4-(cyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)benzamide,
3,4-chloro-N-(4-(5-(4-(cyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)benzamide,
N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)cycloheptanecarboxamide,
N-(4-(2-(4-adamantylamidophenyl)-1H-imidazol-5-yl)phenyl)-4-methylcyclohexanecarboxamide,
N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)picolinamide,
N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)benzamide,
N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)-4-fluorobenzamide,
N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)-4-chlorobenzamide,
N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)-3,4-dichlorobenzamide,
N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)-4-methoxybenzamide,

N-(4-(5-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)-2,3,4,5,6-pentafluorobenzamide,

N-(4-(2-(4-Adamantylamidophenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(Cyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(2-Methylcyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(4-Methylcyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(5-(4-(Cycloheptanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)nicotinamide,

N-(4-(2-(4-(Benzamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(2,3,4,5,6-Pentafluorobenzamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(3,4-Dichlorobenzamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(4-Fluorobenzamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(4-Chlorobenzamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(4-Methoxybenzamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(4-Nitrobenzamido)phenyl)-1H-imidazol-5-yl)phenyl)cycloheptanecarboxamide,

N-(4-(2-(4-(1-Adamantanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

N-(4-(2-(4-(Cyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

N-(4-(2-(4-(2-Methylcyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

N-(4-(2-(4-(4-Methylcyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

N-(4-(2-(4-(Nicotinamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

N-(4-(2-(4-(3,4-Dichlorobenzamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

N-(4-(2-(4-(2,3,4,5,6-Pentafluorobenzamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

N-(4-(2-(4-(Cycloheptanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)nicotinamide,

2-Methyl-N-(4-(2-(4-(cyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)phenyl)cyclohexanecarboxamide,

N-(4-(5-(4-(2-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)nicotinamide,

2-Methyl-N-(4-(2-(4-(4-methylcyclohexanamido)phenyl)-1H-imidazol-5-yl)phenyl)cyclohexanecarboxamide,

N-(4-(5-(4-(2-Methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)cycloheptanecarboxamide,

N-(4-(5-(4-(2-Methylcyclohexanecarboxamido)phenyl)-1H-imidazol-2-yl)phenyl)picolinamide,

N-(4-(5-(4-(pyridin-2-ylcarbamoyl)phenyl)-1H-imidazol-2-yl)phenyl)cycloheptanecarboxamide,

N-(4-(5-(4-(pyridin-2-ylcarbamoyl)phenyl)-1H-imidazol-2-yl)phenyl)cyclohexanecarboxamide,

N-(4-(5-(4-(cycloheptylcarbamoyl)phenyl)-1H-imidazol-2-yl)phenyl)benzenamide,

N-(4-(5-(4-(cycloheptylcarbamoyl)phenyl)-1H-imidazol-2-yl)phenyl)picolinamide,

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Filed : April 9, 2004

N-(4-(5-(4-(cycloheptylcarbamoyl)phenyl)-1H-imidazol-2-yl)phenyl)cycloheptanecarboxamide,
4-(2-(4-(4-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)-N-cycloheptylbenzamide,
4-(2-(4-(2-methylcyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)-N-cycloheptylbenzamide,
4-(2-(4-(adamantylamidophenyl)-1H-imidazol-5-yl)-N-cycloheptylbenzamide,
Adamantane-1-carboxylic acid (4-{5-[4-(adamantan-2-ylcarbamoyl)-phenyl]-1H-imidazol-2-yl}-phenyl)-amide,
N-Adamantan-2-yl-4-[2-[4-(cyclohexanecarbonyl-~~amine~~amido)-phenyl]-3H-imidazol-4-yl]-benzamide,
Cycloheptane carboxylic acid (4-{5-[4-(adamantan-2-ylcarbamoyl)-phenyl]-1H-imidazol-2-yl}-phenyl)-amide,
Pyridine-2-carboxylic acid (4-{5-[4-(adamantan-2-ylcarbamoyl)-phenyl]-1H-imidazol-2yl}-phenyl)-amide,
N-(4-(5-(4-(Cyclohexylcarbamoyl)phenyl)-1H-imidazol-2-yl)phenyl)picolinamide,
N-(4-(2-(4-(Cyclohexanecarboxamido)phenyl)-1H-imidazol-5-yl)-N-cyclohexylbenzamide, and
N-(4-(5-(4-(Cyclohexylcarbamoyl)phenyl)-1H-imidazol-2-yl)phenyl)cycloheptanecarboxamide.